

ILLINOIS HIGHWAY INFORMATION SYSTEM

ROADWAY INFORMATION AND PROCEDURE MANUAL

ITEM NAME VERTICAL CURVE POINT OF TANGENT STATION					ITEM NO. 91B
					PAGE 1 of 1
ENTERED BY	STATE	NON-STATE	HPMS	MUNI	EFFECTIVE DATE
District Program Development	YES	OPT	NA	NA	
UPDATE REPORTS	UPDATE SCREENS				INQUIRY SCREENS
(13) Physical Char-Alignment	(13) Physical Char-Alignment				(63) Physical Char-Alignment

DESCRIPTION AND PURPOSE OF ITEM

This item indicates the Route Station (Item 7) at which the Point of Curvature (PC), or beginning, of a deficient vertical curve is located. Only those vertical curves on non-FAI state system routes, not within a municipality, meeting the following criteria are required to be reported.

- (a) Crest vertical curves where the length of the curve, in feet, divided by the algebraic difference in grade is equal to 290 or less.
- (b) Sag vertical curves where the length of the curve, in feet, divided by the algebraic difference in grade is equal to 150 or less.

Note: "Algebraic difference" is the number derived by subtracting the Approach and Departing Grades (taking into consideration the sign) of a curve.

This information is used for special purpose alignment studies and to related traffic accidents with vertical curve data.

This item can be obtained from construction plans. If in question, contact the district Bureau of Program Development.

Note: This item is collected on new or reconstructed routes only.

CODE AND SCREEN ENTRY INSTRUCTIONS

A 5-digit, 2-position decimal number.

This item is copied from the "Change From" station entered in the screen heading.

Enter the appropriate value to the nearest hundredth of a mile, filling leading spaces with zeros.

See Vertical Curve Approach Grade (Item 91) for example.